

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 21, 2001, 10:36:35 ; Search time 85.03 seconds
(without alignments)
6120.149 Million cell updates/sec

Title: US-09-587-111-4

Perfect score: 2809
1 ggctagcctctctgacaggy.....aaaaaaaaaaaaaaaaaaaaa 2809

Scoring table: IDENTITY_NTC
Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued_Patents_NA.*
2: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	660.8	23.5	3500	4	US-09-197-636-7
2	660.8	23.5	4803	4	US-09-197-636-1
3	660	23.5	4803	4	US-09-197-636-3
4	58.6	2.1	3489	2	US-08-728-323A-1
5	58.6	2.1	32207	2	US-08-770-379-20
6	58.6	2.1	32207	4	US-08-757-669A-20
7	55.2	1.9	1297	2	US-08-727-688-9
8	53.8	1.9	1522	4	US-09-413-574-1
9	53.4	1.9	1641	1	US-08-300-903A-8
10	52.8	1.9	255	2	US-08-727-688-4
11	52	1.9	4931	4	US-08-726-320-2
12	52	1.9	4931	4	US-09-208-716-2
13	51.4	1.8	903	5	PCT-US95-06406A-21
14	51.2	1.8	216	1	US-08-686-878A-34
15	51.2	1.8	2158	1	US-07-602-608-1
16	51.2	1.8	2158	1	US-08-261-578-1
17	51.2	1.8	7218	1	US-08-232-463-14
18	51	1.8	568	1	US-08-582-257-20
19	51	1.8	568	2	US-08-582-258-20
20	50.8	1.8	1772	2	US-08-960-022-13
21	50.6	1.8	1098	3	US-09-248-335-35
22	50.2	1.8	1391	1	US-08-261-662-1
23	50.2	1.8	1391	5	PCT-US95-07752-1
24	50.2	1.8	1420	2	US-08-909-965C-3
25	50.2	1.8	1441	4	US-08-821-994-63
26	50	1.8	1248	2	US-08-897-340-5
27	50	1.8	1248	4	US-09-252-329-5

28	50	1.8	3471	5	PCT-US93-00227-2	Sequence 2, Appli
29	49.8	1.8	140	1	US-08-628-417-5	Sequence 5, Appli
30	49.8	1.8	240	1	US-08-628-417-6	Sequence 6, Appli
31	49.8	1.8	1490	2	US-08-553-367A-5	Sequence 5, Appli
32	49.8	1.8	1490	4	US-09-295-306-5	Sequence 5, Appli
33	49.6	1.8	1858	2	US-08-909-965C-11	Sequence 11, Appli
34	49.4	1.8	289	1	US-08-341-368-3	Sequence 3, Appli
35	49.4	1.8	289	2	US-08-911-020-3	Sequence 3, Appli
36	49.4	1.8	972	1	US-07-915-934-1	Sequence 1, Appli
37	49.4	1.8	972	1	US-08-325-743-1	Sequence 1, Appli
38	49.4	1.8	2158	1	US-08-698-551-1	Sequence 1, Appli
39	49.4	1.8	2158	2	US-08-602-228-1	Sequence 1, Appli
40	49.4	1.8	2158	2	US-08-649-341A-1	Sequence 1, Appli
41	49.4	1.8	2158	2	US-08-494-440B-1	Sequence 1, Appli
42	49.4	1.8	2158	2	US-08-533-901B-1	Sequence 1, Appli
43	49.4	1.8	2158	2	US-08-839-032A-1	Sequence 1, Appli
44	49.4	1.8	2158	2	US-08-839-031A-1	Sequence 1, Appli
45	49.4	1.8	2158	5	PCT-US95-12724-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-197-636-7
Sequence 7, Application US/09197636
Patent No. 6239267
GENERAL INFORMATION:
APPLICANT: DUCKWORTH, DAVID
APPLICANT: HAYES, PHILIP
APPLICANT: MEADOWS, HELEN
APPLICANT: DAVIS, JOHN
TITLE OF INVENTION: NOVEL COMPOUNDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: US
ZIP: 19482-0980
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/197,636
FILING DATE: 23-NOV-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 9805137.8
FILING DATE: 12-MAR-1998
APPLICATION NUMBER: UK 9815791.0
FILING DATE: 21-JUL-1998
APPLICATION NUMBER: UK 9819278.4
FILING DATE: 03-SEP-1998
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GP-30075
TELECOMMUNICATION INFORMATION:
TELEPHONE: 601-407-0700
TELEFAX: 610-407-0701
TELEX: 846169
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 3500 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-197-636-7

Query Match 23.5%; Score 660.8; DB 4; Length 3500;
Best Local Similarity 61.1%; Pred. No. 2, 6e-135;
Matches 1206; Conservative 0; Mismatches 732; Indels 36; Gaps 7;

QY 580 tttagccgagatcgcgtctcaatlgcgtlcccgagggtgtlcccgagaa tctgtcgtga 639
DB 1200 TATGATCGCAGAGATCTTGAAGCGGTTGTGACAGTAATAGTCCAGATCGAGAC 1259
QY 640 ctccagagatctgagcaagaccagaaatctaccgcgcgtcgtgaatacaagaggc 659
DB 1260 CTCTCTCTCTCTGAGAGAGCAAGAACCTCTCAACACAGATGCTTCAAGACCTT 1319
QY 700 tccacagatgaagcgtgcgtgagaaagcgtgtgtgaaccttaagagcagagatcgc 729
DB 1320 GAGACAGAGAGAGAGCTGTCTGTGAAAGCATGTCTCAACTGTGACGACGAGACAC 1379
QY 760 tgcattctgcactgtctgcagatctgcagaggactctgcacatccctcagccctgt 819
DB 1380 ACCATCCCTCTGCTGAGATCGCGGCAAAACGACAGCTGGAAGAGCTTGTCAAC 1439
QY 820 gccacgtgacaaatgactatctacagaggcagcgtctgacatcgccattggaag 879
DB 1440 GCCAGCTACAGGACAGCTACTACAAAGGCGCAGACAGCACTGACATGCGCATCGA 1499
QY 880 aggaatctgagatgtgtgaagctcctgtgtgagaaatgaggcaaatgtgtcgtccg 939
DB 1500 CGCAACATGGCCCTGGGAGCCCTCTGTGTGAGACAGGACAGACATGCCATCGGCTG 1559
QY 940 tgcgcgcgtctctcagaagggccaag---ggaactgtcttaattcgtgtgaagacc 966
DB 1560 CATGGGAGACTCTTTAAAGAAACCAAGGGGCGCTGATCTTACCTGCTGAACTGCC 1619
QY 997 cctctcttcgcgtctgcacaaagcgtgtgagatgtgtgaactcagctcggagacca 1056
DB 1620 CTCTCTCTGCGCGGCTGACCAACAGCTGGCATCTGTAAGTTCTGCTGCGAATCTC 1679
QY 1057 caacacgcccgcagcgtgcagcgaactgcacagggcacaagctctcgtcgtccta 1116
DB 1680 TGGCAGACGGCGACATACAGCGCAGGAGACTCGTGGGCAACAGGCTGACGCCCTG 1139
QY 1117 gtgatgatctcgacaactcagatgagaacatgtgacatgtgtgacagcaatgtatg 1176
DB 1740 GTGAGAGTGGCCCAACAACAGCGCGCAACACGAAGTTTGTGACGAGCATGTCA 1799
QY 1177 cctcctcaagctgaggccgcgtcgtccctcagctcagcttgaagacatccgaacctg 1236
DB 1800 ATTCTGATCTGGGGGCCAATGACACCCGACCTGAAGCTGGAAGAGCTCACCAACAG 1859
QY 1237 caagatctcagcgtctgaagcgtgcgcgcaagagagcaagaatcgaatlttcaggcac 1296
DB 1860 AAGGAGATGACGGCGGTGGCTGTGGCAGCTGGGACCGGAAGATTCGGGCTTAT 1319
QY 1297 atccctcagcggaggt-----tcaagactgaagcacccttccgaaagtccagag 1350
DB 1920 ATTCTCAGGCGAGATCCAGAGACCCGAGTGCAGAGCACTGTCCAGAAAGTTCCAC 1979
QY 1351 tgggtatagagcgtctcgaggtgtgcgtgtatgaactggtcctgtgtgacagctgtg 1410
DB 1980 TGGGCTTACGGGCGCGTGGACCTCTGCTGTGACACCTGTGCTGATCGACACCTGG 2039
QY 1411 gagaactcagctgctgagatcatctgcttcatgtca---agagcccgacccagacga 1467
DB 2040 AAGAACTCGGTGGAGGTGATCGCTACAGAGCAGCAGCAACCCCTAATTCGCCAGAC 2099
QY 1468 atgtgtcgttttgagcccttgaaacaaatgctgtcagggcgaatgtgga---tctgt 1524
DB 2100 ATGCTCTTGTGGAGCGCGTGAACCACTCTCAGAGACAAAGTGGGACAGATTCTG 2159
QY 1525 cccaagttctcttaacttctcgtgtatctgatacttaacttctaccgctgtt 1584
DB 2160 CGCATCTTCTACTTCAATCTTCTGTCTACTGCTGTACATGATCATCTTCAACCATG 2219

QY 1585 gctacatcagctacccctgaagaagcagccgcccctcacttgaaagcggaggttga 1644
DB 2220 GCCTTACTACAGGCG-----CGTGGATGGCTTGCCTTCTTAAGATGAAAAACTGGA 2273
QY 1645 aactcagctgtctgaagggccacatctatccctgtgaaggggagatctacatccctgt 1704
DB 2274 GACTAATTTCCGAGTTTACTGGAGAGATCTGTGTGTAGAGAGAGTCTACTTCTTTTC 2333
QY 1705 ggcagctgtgtgacttctgagggcgagcaggtgtatcatcaggtctcgttcaagcagc 1764
DB 2334 CGAGGATTCAGTATTTCTGACAGAGGCGGCGCTGATGAAGACCCGTGTTGTGACAGC 2393
QY 1765 taacttgaatccctcctcctcgtctcagggccgtctcagatgtgtgtccaggtgtgtg 1824
DB 2394 TACAGTGAATGTTTCTTCTTGTGAGATCACTTTCATGCTGTGCGCAACCGTGTGCTG 2453
QY 1825 tctcgtgcatcagatgtgtaacctgtccctgtgtgtgtcgtgtgtgtgtgtgtgtgt 1884
DB 2454 TTTCAGCCACCTCAAGAGATGTGTGGCTTCATGTGTCTTCCCTGCGCTTGGGCTGACC 2513
QY 1885 aactcttactactacagctgtgctcagacacagagcactcaagatgtcatgatacag 1944
DB 2514 AACATGCTTACTACACCGCGGTTTCCACAGATGGGCACTTATGCGCTCATGATAGAG 2573
QY 1945 aaggtatcctcgtcggagacgtcgtcgtctcctctgtatctactaagctctccttcg 2004
DB 2574 AAGATGATCTCTGAGAGACCTGTGCGGTTTCATGTTGTCTACGTCGCTTCTTGTTCGG 2633
QY 2005 ttcgtgtgacctgtgtgagcgtgagccagaggcgtgtgtgtgtgtgtgtgtgtgt 2064
DB 2634 TTTTCCACACGGGTGTGTGAGCTGATTTGAAGACGGAAGATGATCTTCCCTGCTGTGAG 2693
QY 2065 cccaatgcacagatgcagcccatgtgaaggcaagagagcaagagcgaagcgaagcga 2124
DB 2694 TCCACGTC-----GCACAGTGGCGGGGCTGCCCTGCGAGGCCCCCGATAGC 2741
QY 2125 caatgaagggatctctggaagccctcctgtgagctctcaaatcaatcaatcagatgg 2184
DB 2742 TCTTACAAACAGCTGTATCTACCTCCTGAGAGCTGTTCAAGTTCAACATCGGATGG 2801
QY 2185 gtagctgtcctcagagagcagcgtcactcctcgcgagatgtgtgtgtgtgtgtgt 2244
DB 2802 GACCTGTGAGTCTACTGAGAACTATGATGATTCAGAGCTGTCTTCAATCTGCTGG 2861
QY 2245 taagtgtctcactcactcactcgtcgtcgtcaacatctcagccctcagatgaagac 2304
DB 2862 TATGTATTTCTACCTACATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2921
QY 2365 ctggaagatgagaatgtcattgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2421
DB 2982 CTGGACACGGAAGAGCTTCTTAAGTGTATGAGAGAGGCTTCCGCTCAAGCAAGCTG 3041
QY 2422 ctgacccgttgacactaagccagatgtgacgcccgaatgagagcgtgtgtgtgtgtgt 2481
DB 3042 CTGACAGTGGGGTACACACTGTATGCGCAAGAGACGATACCGGTGTGTGTCTTCAAG 3101
QY 2482 gaagtgaactgtgtctcatgtgagagcagagcgtgtgtgtgtgtgtgtgtgtgtgt 2535
DB 3102 GAGGTAACTGAGACACCTGGAACACCAACAGTGGGATCATCAACGAAGACCCG 3155

RESULT 2
US-09-197-636-1
; Sequence 1, Application US/09197636
; Patent No. 6239267
; GENERAL INFORMATION:
; APPLICANT: DUCKWORTH, DAVID
; APPLICANT: HAYES, PHILIP

APPLICANT: MEADOWS, HELEN
 APPLICANT: DAVIS, JOHN
 TITLE OF INVENTION: NOVEL COMPOUNDS
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ratner & Prestlia
 STREET: P.O. Box 980
 CITY: Valley Forge
 STATE: PA
 COUNTRY: US
 ZIP: 19482-0980
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS.
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/197,636
 FILING DATE: 23-NOV-1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: UK 9805137.8
 FILING DATE: 12-MAR-1998
 APPLICATION NUMBER: UK 9815791.0
 FILING DATE: 21-JUL-1998
 APPLICATION NUMBER: UK 9819278.4
 FILING DATE: 03-SEP-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestlia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GP-30075
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 601-407-0700
 TELEFAX: 610-407-0701
 TELEX: 846169
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4803 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 IS-09-197-636-1

Query Match	23.5%	Score 660.8	DB 4	Length 4803
Best Local Similarity	61.1%	Pred. No. 2.8e+135		
Matches 1206	Conservative 0	Mismatches 732	Indels 36	Gaps 7
QY 580	tttagccagagatgcgccttcctaattcgcgttcctccggaggtgtccccgagatctgctgga	639		
DB 1200	TATGATCCACAGAGATGATCTTTGAACCCCTGTGCTCAAGAAATACGTCCAGAGATCTGAGAGC	1259		
QY 640	cttcacagagtaactagcaagaccgcagcaagtaactccacagactcggaaatacacaagagcc	699		
DB 1260	CTGCTGCTCTTCTCTGACAGAGCAAGAGCAAGCACCCTACAGAACAGAGTTCAAACACCT	1319		
QY 700	tcacacaggtaaagcgtgcctcgtatgaagcgtgtgtctgaaccttaagcagggatcaatgcc	759		
DB 1320	GAGACAGGGGAAGACCTGCTCTGCTGAAGCCATGCTCAACCTTCACAGAGAGCAAGAACCC	1379		
QY 760	tgcattctgcacactgctcagatcgacaagagatctgtgcaatccctcagcccttgtaaat	819		
DB 1380	ACCATCCCCCTGCTCTTGAGATGCCGCGGCACAAAGGACAGCTTAAGAGAGCTTTGTCAAC	1439		
QY 820	gcccaggtgcacagatgacatattaccgaaagccacagcgtctgcacatcgcaactgaagaag	879		
DB 1440	GCCACGCTACAGGACAGGTACTACAAAGGGCCAGAACAGCACTCAATCGCCATCGAGAGA	1499		
QY 880	aggagctctgcagtgltgtgaagctcctgtgtggaatggggccaatgtcatgtgccggagcc	939		
DB 1500	CGCAACATGAGGCTTGATACCTCCTGCTGTGGAAGACGAGCAGAGCTCAGGCTCGCGC	1559		

QY	940	tgcgcgcgtctcttcacgaagagcccaag---ggaacttgcttatttcgttgaaactacc	996
Db	1560	CATGGGACCTTTCTTTAAGAAAAACCAAGGGGGCCCTGGAGTTCTACTTCCGTGTAACCTGGCC	1619
QY	997	ctctctttggccgtctgcacaacgaatgggaatgltglaagtaactctcttgagaacca	1056
Db	1620	CTGTGCTTGCGCCGTGCACCAACCACTGGCATGTGAAGTTCTGTGTCGAGAACTCC	1679
QY	1057	caccagccgcgaagctctgcagggccacttgactcccaaggcaacaaagtcctgatgccta	1116
Db	1680	TGGCAGAGCGCCGCAATCAGCGCCAGGAGATCTGGTGGGCAACGGTGTGCAACCCCTG	1733
QY	1117	gtgtagatcttgagacaactcaagctagaataattgcacgtgltgacagcaatgtaataigag	1176
Db	1740	GTGGAGGTGGCCGCAACACGGCCGCAACACGAATTGTGTGCGAGCATGTACAATATGAG	1799
QY	1177	ctctctccaagcttgaggccgcgcctctgcctcaccgttcagacttgaaagacataccgaacctg	1233
Db	1800	ATTCTGATTCCTGGGGGGCAAACTGCATCCGACCGCTGAAGCTGAGAGGAGCTCACCAAAAG	1855
QY	1237	caggatctcagcgcctctgaaagcttggccgcaagagaggcaagatctgaaatlttcaagcaac	1296
Db	1860	AAGGGAAAGACCGCCGCTGGCTGTGGCAGCTGGGACCGGGAAGATCCGGCTCTTGGCCAT	1919
QY	1297	atccgcgaagccggagagt-----ctcagaactgagccaaacttcccgaagtccaag	1350
Db	1920	ATTCTCCAGCGGGAGATCCAGAGAACCCGAGATGCAGACCTGTCCAGAAATTTCAACGAG	1979
QY	1351	tgtgtctatggagcctgtctcgggtgtgtcgtatgaacctggtctctgtgacagcctgtag	1410
Db	1980	TGGGCTCTACGGGGCCCGTGGCATCTCCCTGCTTAGACCTGTCTGCAATCCACATCTGGCG	2033
QY	1411	gagaactcagctgcgtggagatcattgcctcttcattgca---agagccgcagccagaacaga	1467
Db	2040	AAGAACTCGTGCTGTGAGGTGATGCGCTTACAGACACGACGAAACCCCTAATGGCCACGAC	2099
QY	1468	atggtcgttttggagcccttgaacaaactgtctgcagcgaaatggga---ctgtgctatc	1524
Db	2100	ATGCTCTTGGTGGAGCGGCTAAACCGACTCCTCAGGACAAAGGGAGAGATTCGCTAAG	2155
QY	1525	cccaagttctctttaaactctctgtgtgaaactgatctaaatgttaacttctaacgcgtgt	1588
Db	2160	CGCATCTCTACTTCACTTCCTCTGCTGTACTGTGCTGTACTGATGATGATCAATCAATGCT	2219
QY	1585	gcttaaccactcaagccttaacgaagaacgagccgcctcactcctgaagaacggaagtgtga	1644
Db	2220	GCTCATCTACAGGCC-----CGTGAATGGCTTGCCCTCCCTTAAGATGGAAAAACTGGA	2273
QY	1645	aactccatgtcgtctgaagcgagccacatacttactctctgtcgtataggggagatactactcctglt	1704
Db	2274	GACTATTTTCCAGGTACTACTGGAGAAATCCTGTGCTGTGTAGAGAGACTCTACTCTTTTTC	2333
QY	1705	ggccaagctgtgtactctctgagcgagccagcgttctaactcgtatctcgttcaataagac	1766
Db	2334	CGAGGAGATTCAAGTATTTCTCTGACAGAGCGGCCCTGTCATGAAGACCTGTTTGTGGACAC	2399
QY	1765	taatttgaactcctctctctgttctcaagcgccctcacaagttgtgtcccaagtgtcgtgtt	1824
Db	2394	TACATGTGATGACTTTTCTTCTTCTGCACTGTTCATGCTGTGGCCACCGCTGTGCTGTAC	2453
QY	1825	tttccgtgcacatcgaagtggttactctgtccctctgttgttctgaggtgtgtgttgagcgtg	1884
Db	2454	TTTCAAGCCACTCAAGAGATATGTGGCTTCCATGATGTATCTCCCTGTGGCTTTGGGCTGGACC	2513
QY	1885	aaacctcttctactaacaatgtgtctctcaagcaacaaagacatactacaagtgtcatagtacag	1944
Db	2514	AACATGCTCTACTACACCCGGGGTTTCCACAGATGGGACATATATCCCTCATGTATPAG	2573
QY	1945	aagttatctctcgaggagacgtctgtgcgttctctctgatatctagtatgttctctcttggc	2004
Db	2574	AAGATGATCTCGAAGACCTGTGCCGTTTATGTATGTTGTCTTACATVCCCTCTTTTGTGTCGG	2633
QY	2005	ttcgtcttaagccctggtagagccttaagcaagaagcttggcgcccgaaactctctacagc	2064

Db 1880 TGGGCTACAGGGGCGGCTGCTGCTGATGACAGCTGTCTGATGACACCTGCGAG 2039
 QY 1411 gaaactcagtgctgagatcattgctctcattgca---agagcccgacagaccca 1467
 Db 2040 AAGAACTGGGTGCTGGAGGTATGCCCTACAGCAGCAGCAGACCCCTTAATCGCCACAC 2099
 QY 1468 atggtcgttttggagccctgaaacaaactgtcgaagcgaaatgga---ctgtctalc 1524
 Db 2100 ATGCTCTGGTGGAGCCGCTGACCCGACTCTGACAGAGCAAGTGGAGACAGATGCTCAAG 2159
 QY 1525 cccaagtctcttaaatctctgtgtaactgtatctacatgttcatcttcaacgctgt 1584
 Db 2160 CGCATCTTCACTCACTCACTCTGCTCACTGCTGATGATGATGATGATGATGATGATGAT 2219
 QY 1585 gctac 1644
 Db 2220 GCGTACATACAGGCC-----CGTGATGGCTTGGCTCCCTTAAAGATGAAAGAACTGGA 2273
 QY 1645 aactcagtgctgctgagcgagacacacacacacacacacacacacacacacacacac 1704
 Db 2274 GACTATTTCGAGGTACGAGAGATCCTGCTGTGTAGAGAGAGATCTACTTCTTTTC 2333
 QY 1705 ggcacagctgtgtaactctgctgagcgacagtgctcactgtgactgtatcgtatagacgc 1764
 Db 2334 CGAGGATTCAGTATTCCTGCTGAGAGGCGCGCTGATGAAAGACCTGTTGTGACAGC 2393
 QY 1765 taactgaaatccctctcgtctccagacacacacacacacacacacacacacacacacac 1824
 Db 2394 TACAGTGAATGCTTTTCTTCTGACAGCAGTGTTCATGCTGCGCAGCGGTGCTGTAC 2453
 QY 1825 ttctgagcagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 1884
 Db 2454 TTCAGCCACCTCAAGGATGATGCTGCTGATGATGATGATGATGATGATGATGATGAT 2513
 QY 1885 aactgcttacttactaaacgagtgctccagacacacacacacacacacacacacacacac 1944
 Db 2514 AACATGCTCTACACCCGCGGTTTCCAGCAGATGAGGATGATGATGATGATGATGATGAT 2573
 QY 1945 aaggtcactcctgagac 2004
 Db 2574 AAGATGATTCCTGAGAGACAGTGTGCGCTTCAATGTTGCTGATGATGATGATGATGATG 2633
 QY 2005 ttgctgtgacccctggtgagcctgagcagagcgttgagcgcgcgcgcgcgcgcgcgcgc 2064
 Db 2634 TTTTCCACAGCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2693
 QY 2065 cccaatgccaagagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtg 2124
 Db 2694 TCCACGTC-----GACAGGTGGCGGGGCTGCTGAGGCCCCCGATAGC 2741
 QY 2125 cagtcagaggtatcctgagac 2184
 Db 2742 TCCATCAACACAGCTGATCCAGCTGCTGAGCTGTTCAAGTTTCAATGATGATGATGATG 2801
 QY 2185 gactgagcctcagagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 2244
 Db 2802 GACCTGGAGTTCACAGAACTATGACTTCAAGGCTGCTTCAATGATGATGATGATGATG 2861
 QY 2245 taagtgcgtcctacatcactctgtctgctcaactgtctcactgcgcgcgcgcgcgcgcgc 2304
 Db 2862 TATTAATTCACCTCAATCTCTGCTCAACATGCTCAATGCTCAATGCTCAATGCTCAATG 2921
 QY 2305 gtcacacagtgctgac 2364
 Db 2922 GTCAACAGATCGCAG 2981
 QY 2365 ctgagagtgagaaatgagctatgagtgagtgagtgagtgagtgagtgagtgagtgagtg 2421
 Db 2982 CTGAGACAGGAG 3041
 QY 2422 ctgagcgttgacactaagcagatgagcagcccgatgagcgtgtgtgtgtgtgtgtgtgtgt 2481
 Db 3042 CTGAGAGGTGGGTACACACCTGATGCGCAAGAGACACTACGCTGTGCTTACGAGGTGAGC 3101

QY 2482 gaggtagactggtctcagagagacagcgtgctcactacgctgtgtgagagccg 2535
 Db 3102 GAGGTGAACCTGACACCTGACACACCAACAGTGGGCAATCAACAGAGAGACCG 3155
 RESULT 4
 US-08-728-323A-1/C
 : Sequence 1, Application US/08728323A
 : Patent No. 5948676
 : GENERAL INFORMATION:
 : APPLICANT: Chang, Yuan
 : APPLICANT: Bohenzky, Roy A.
 : APPLICANT: Russo, James J.
 : APPLICANT: Edelman, Isidore S.
 : APPLICANT: Moore, Patrick S.
 : TITLE OF INVENTION: Immediate Early Protein From Kaposi's
 : TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA
 : NUMBER OF SEQUENCES: 21
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Cooper & Dunham LLP
 : STREET: 1185 Avenue of the Americas
 : CITY: New York
 : STATE: New York
 : COUNTRY: U.S.A.
 : ZIP: 10036
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/728.323A
 : FILING DATE:
 : CLASSIFICATION: 435
 : ATTORNEY/AGENT INFORMATION:
 : NAME: White, John P.
 : REGISTRATION NUMBER: 28,678
 : REFERENCE/DOCKET NUMBER: 0575/52268/JPM/MSK/SKS
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 212-278-0400
 : TELEFAX: 212-391-0525
 : INFORMATION FOR SEO ID NO: 1:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 3489 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : MOLECULE TYPE: DNA (genomic)
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: 1..3489
 : US-08-728-323A-1
 Query Match 2.1%; Score 58.6; DB 2; Length 3489;
 Best Local Similarity 47.0%; Pred. No. 0.00062;
 Matches 181; Conservative 0; Mismatches 204; Indels 0; Gaps 0;

QY 1650 catgctgtgagcgccac 1709
 Db 2323 CCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2264
 QY 1710 gctgtgtactctcgtgagcgagcagtggttactgtatcctcgttcaatagaacactact 1769
 Db 2263 GCTCCTGTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2204
 QY 1770 tgaatcctctctctgttccagcgccctcagatggtgtccaggtgtgtgtgtgtgtgt 1829
 Db 2203 GCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2144
 QY 1830 ggcacagtgtagtacctgccccctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1889

THIS PAGE BLANK (USPTO)